

ABSTRACT OF THE DISCLOSURE

A poison resistant combustible gas sensing element, a
method for its production and a method for determining
poisoning of the element. The element includes an electric
heating element, an inner layer coated on the electric heating
element and containing a precious metal catalyst supported on a
porous oxide, the precious metal catalyst catalyzing combustion
of a combustible gas to be detected by the element, and an
outer layer overlaying the first layer, and containing a
catalytic compound capable of trapping gases which poison the
precious metal catalyst, the catalytic compound being supported
on a porous oxide.

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